

Rule 12b  
SAC 5-12-05

## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

1. (withdrawn) A composition comprising beta glucan and lactoferrin, wherein:
  - the composition is a solid; and
  - the composition can be safely administered daily for at least two weeks.
2. (canceled)
3. (withdrawn) The composition of claim 1, wherein the composition is in the form of a capsule, lozenge, chewable lozenge, tablet, chewable tablet, or chewable gum.
4. (canceled)
5. (withdrawn) The composition of claim 1, wherein the beta glucan is mushroom beta glucan, yeast beta glucan, or oat beta glucan.
6. (withdrawn) The composition of claim 1, wherein the beta glucan is yeast cell wall beta glucan.
7. (withdrawn) The composition of claim 1, wherein the concentration of beta glucan is about 1 weight percent to about 10 weight percent.
8. (withdrawn) The composition of claim 1, wherein the lactoferrin is mammalian lactoferrin.
9. (withdrawn) The composition of claim 1, wherein the lactoferrin is bovine milk lactoferrin.
10. (withdrawn) The composition of claim 1, wherein the concentration of lactoferrin is about 0.25 weight percent to about 2.5 weight percent.
11. (withdrawn) The composition of claim 1, wherein:
  - the concentration of beta glucan is about 1 weight percent to about 10 weight percent;

and

the concentration of lactoferrin is about 0.25 weight percent to about 2.5 weight percent.

12. (withdrawn) The composition of claim 1, further comprising at least one nutritionally acceptable carrier.

13. (withdrawn) The composition of claim 1, further comprising at least one nutritionally acceptable diluent.

14. (withdrawn) The composition of claim 1, further comprising at least one nutritionally acceptable flavoring.

15. (withdrawn) The composition of claim 1, wherein the composition is prepared in an oral dose specific format that promotes absorption of the composition's components within the mucosal layer in the oral cavity.

16. (withdrawn) A composition comprising:

about 1 weight percent beta glucan to about 3 weight percent beta glucan;

about 0.5 weight percent lactoferrin to about 1.5 weight percent lactoferrin; and

about 5 weight percent nutritionally acceptable flavoring to about 7 weight percent nutritionally acceptable flavoring, wherein the composition can be safely administered daily for at least two weeks.

17. (withdrawn) A composition comprising:

about 2 weight percent beta glucan;

about 1 weight percent lactoferrin; and

about 5.7 weight percent nutritionally acceptable flavoring, wherein the composition can be safely administered daily for at least two weeks.

18. (withdrawn) A composition consisting essentially of:

about 2 weight percent beta glucan;  
about 1 weight percent lactoferrin,  
about 5.7 weight percent lemon flavoring;  
about 50 weight percent mannitol;  
about 40.8 weight percent sorbitol; and  
about 0.5 weight percent silicon dioxide, wherein the composition can be safely administered daily for at least two weeks.

25 19. (new) A method for administering a composition comprising beta glucan and lactoferrin to an individual in need of such treatment, comprising the step of:

administering orally to the individual with the composition in an encapsulated form daily for at least two weeks.

26 20. (new) The method of claim 19, wherein the composition does not comprise colostrum.

27 21. (new) The method of claim 19, wherein the composition is in a mucosal delivery format.

28 22. (new) The method of claim 21, wherein the composition is in a form of lozenge.

29 23. (new) The method of claim 21, wherein the composition is in a chewable form of capsule, tablet, or gum.

30 24. (new) The method of claim 19, wherein the beta glucan is selected from the group consisting of mushroom beta glucan, yeast beta glucan, and oat beta glucan.

31 25. (new) The method of claim 24, wherein the yeast beta glucan is yeast cell wall beta glucan.

32 26. (new) The method of claim 19, wherein the beta glucan has a concentration range of about 1 weight percent to about 10 weight percent.

33 27. (new) The method of claim 19, wherein the lactoferrin has a concentration range of about

0.25 weight percent to about 2.5 weight percent.

~~28~~ 28. (new) The method of claim 19, wherein the lactoferrin is mammalian lactoferrin.

~~35~~ 29. (new) The method of claim 28, wherein the lactoferrin is bovine lactoferrin.

~~36~~ 30. (new) The method of claim 19, wherein the beta glucan has a concentration range of about 1 weight percent to about 10 weight percent, and wherein the lactoferrin has a concentration range of about 0.25 weight percent to about 2.5 weight percent.

~~31~~ 31. (new) The method of claim 19, wherein the composition further comprises at least one nutritionally acceptable carrier.

~~38~~ 32. (new) The method of claim 19, wherein the composition further comprises at least one nutritionally acceptable diluent.

~~39~~ 33. (new) The method of claim 19, wherein the composition further comprises at least one nutritionally acceptable flavoring.